

PR - 1992JP-0178519 19920706; 1992JP-0068073 19920326; 1992JP-0097767  
19920417; 1992JP-0099341 19920420; 1992JP-0134673 19920527; 1992JP-0138664  
19920529

CT - EP-282964; JP62098363; JP63243966; US4859559

IC - G03G-009/12 G03G-009/13 G03G-009/125 G03G-009/135

AB - WO9319400 A

The prodn. comprising the granulating step by placing a molten olefinic carboxylic acid or ester resin into a liq. aliphatic hydrocarbon and cooling to deposit the resin particles in the presence of a tri- to decamer of a hydroxy carboxylic acid ester by using a charge control agent comprising lecithin or a salt of a dialkyl sulphosuccinate with a transition metal of cobalt, manganese, zirconium, yttrium and nickel.

USE/ADVANTAGE - The oligomer of a hydroxy carboxylic acid ester has the function of controlling the granulation and also that of dispersing stably the resin particles in an electrical insulating liq. due to the affinity for the particles, and the resin particles may be stably dispersed in the toner for long, giving a wet toner which does not deteriorate and may form stable coloured images. (Dwg.0/0)

MC - CPI: A04-G01E A11-A02C A11-A03 A12-L05C2 E10-C02B G06-C04 G06-G05

EPI: S06-A04C2

UP - 1993-40

UE - 1993-47; 1993-50; 1994-02; 1994-04; 1994-09; 1994-19; 2001-76

UE4 - 2001-12